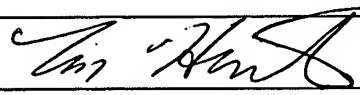
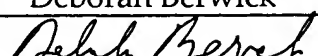


IFW

<div><div>PTO</div><div>IP</div><div>EB</div><div>21</div><div>09-04</div></div> <div><div>FEB 09 2006</div><div>PTENT & TRADEMARK OFFICE</div></div> <div><div>TRANSMITTAL</div><div>FORM</div></div> <div>(to be used for all correspondence after initial filing)</div>	Application Number	10/823,088	
	Filing Date	April 12, 2004	
	First Named Inventor	Ning Wang	
	Group Art Unit	1745	
	Examiner Name	Gregg Cantelmo	
Total Number of Pages in This Submission	10	Attorney Docket Number	318-000220US

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> PTO-1449 Form	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input checked="" type="checkbox"/> Cited Articles	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input checked="" type="checkbox"/> Copy of PCT Search Report	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	receipt acknowledgment postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Authorization to Charge Deposit Account Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Tom Hunter, Reg. No. 38,498, Quine Intellectual Property Law Group P.C.
Signature	
Date	February 7, 2006

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO via fax no. 703-306-5995 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
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Signature		Date	February 7, 2006



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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By Deborah Berwick
Deborah Berwick

Attorney Docket No. 318-000220US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ning Wang, et al.

Application No.: 10/823,088

Filed: April 12, 2004

For: LOW PLATINUM FUEL CELL
CATALYSTS AND METHOD FOR
PREPARING THE SAME

Confirmation No. 3167

Examiner: Gregg Cantelmo

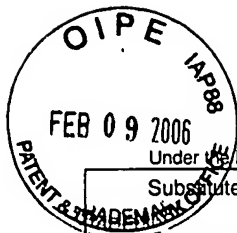
Art Unit: 1745

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the articles references are enclosed. Copies of the cited US Patent applications and the cited US Publication have not been enclosed because they are no longer required by the office for submission. Also, enclosed is a copy of International Search Report for corresponding International Application No. PCT/US2005/007343. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/823,088
Filing Date	April 12, 2004
First Named Inventor	Ning Wang
Group Art Unit	1745
Examiner Name	Gregg Cantelmo
Attorney Docket Number	318-000220US
Date Submitted	February 7, 2006

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	2004/0167014	A1	Yan et al.	08-26-2004	
	2	4,031,291		Fullenwider	06-21-1977	
	3	4,202,934		Jalan	05-13-1980	
	4	4,316,944		Landsman et al.	02-23-1982	
	5	4,447,506		Luczak et al.	05-08-1984	
	6	4,711,829		Luczak et al.	12-08-1987	
	7	4,716,087		Ito et al.	12-29-1987	
	8	4,794,054		Ito et al.	12-27-1987	
	9	4,812,352		Debe	03-14-1989	
	10	4,880,711		Luczak et al.	11-14-1989	
	11	4,916,110		Manniso	04-10-1990	
	12	5,024,905		Itoh et al.	06-18-1991	
	13	5,039,561		Debe	08-13-1991	
	14	5,079,107		Jalan	01-07-1992	
	15	5,176,786		Debe	01-05-1993	
	16	5,183,713		Kunz	02-02-1993	
	17	5,225,391		Stonehart et al.	07-06-1993	
	18	5,238,729		Debe	08-24-1993	
	19	5,336,558		Debe	08-09-1994	
	20	5,338,430		Parsonage et al.	08-16-1994	
	21	5,653,951		Rodriguez et al.	08-05-1997	
	22	5,856,036		Smotkin et al.	01-05-1999	
	23	5,879,827		Debe et al.	03-09-1999	
	24	6,007,934		Auer et al.	12-28-1999	
	25	6,015,635		Kawahara	01-18-2000	
	26	6,040,077		Debe et al.	03-21-2000	

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	27	6,159,538		Rodriguez et al.	12-12-2000	
	28	6,287,717	B1	Cavalca et al.	09-11-2001	
	29	6,300,000	B1	Cavalca et al.	10-09-2001	
	30	6,333,016	B1	Resasco et al.	12-25-2001	
	31	6,339,038	B1	Tada et al.	01-15-2002	
	32	6,451,175	B1	Lal	09-17-2002	
	33	6,454,816	B1	Lee et al.	09-24-2002	
	34	6,458,478	B1	Wang et al.	10-01-2002	
	35	6,471,936	B1	Chen et al.	10-29-2002	
	36	6,485,858	B1	Baker et al.	11-26-2002	
	37	6,517,965	B1	Gorer	02-11-2003	
	38	6,531,704	B2	Yadav et al.	03-11-2003	
	39	6,562,499	B1	Naka et al.	05-13-2003	
	40	6,572,997	B1	Iqbal et al.	06-03-2003	
	41	6,589,312	B1	Snow et al.	07-08-2003	
	42	6,589,682	B1	Flecker et al.	07-08-2003	
	43	6,591,617	B2	Wolfe	07-15-2003	
	44	6,627,689	B2	Iino et al.	09-30-2003	
	45	6,645,628	B2	Shiffler, Jr. et al.	11-11-2003	
	46	6,654,229	B2	Yanagisawa et al.	11-25-2003	
	47	6,660,680	B1	Hampden-Smith et al.	12-09-2003	
	48	6,667,099	B1	Greiner et al.	12-23-2003	
	49	6,672,077	B1	Bradley et al.	01-06-2004	
	50	6,679,280	B1	Pinto	01-20-2004	
	51	6,683,783	B1	Smalley et al.	01-27-2004	
	52	6,689,439	B2	Sobolewski	02-10-2004	
	53	6,689,711	B2	Lefebvre	02-10-2004	
	54	6,706,431	B2	Kawamura et al.	03-16-2004	

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	55	6,709,471	B2	Miyamoto	03-23-2004	
	56	6,709,560	B2	Andelman et al.	03-23-2004	
	57	6,712,864	B2	Horiuchi et al.	03-30-2004	
	58	6,713,519	B2	Wang et al.	03-30-2004	
	59	6,731,022	B2	Silverman	05-04-2004	
	60	6,733,828	B2	Chao et al.	05-11-2004	
	61	6,746,790	B2	Colborn	06-08-2004	
	62	6,749,827	B2	Smalley et al.	06-15-2004	
	63	6,753,108	B1	Hampden-Smith et al.	06-22-2004	
	64	6,764,785	B2	Colborn et al.	07-20-2004	
	65	6,780,388	B2	Masuko et al.	08-24-2004	
	66	6,781,817	B2	Andelman	08-24-2004	
	67	6,821,663	B2	McElroy et al.	11-23-2004	
	68	6,824,912	B2	Yamaura et al.	11-30-2004	
	69	6,846,345	B1	Keller et al.	01-25-2005	
	70	6,854,688	B2	McElroy et al.	02-15-2005	
	71	6,863,942	B2	Ren et al.	03-18-2005	
	72	6,869,583	B2	Harutyuyan et al.	03-22-2005	
	73	6,869,721	B2	Imazato	03-22-2005	
	74	6,872,330	B2	Mack et al.	03-29-2005	
	75	6,884,405	B2	Ryzhkov	04-26-2005	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	76	BEKYAROVA, ET AL. (2002) Oxidation and Porosity Evaluation of Budlike Single-Wall Carbon Nanohorn Aggregates." <i>American Chemical Society</i> , 18(10): 4138-4141.	
	77	CHE ET AL. (1998) Carbon Nanotubule Membranes For Electrochemical Energy Storage And Production," <i>Nature</i> , 393: 346-349.	
	78	CHU AND JIANG (2002) "Novel electrocatalysts for direct methanol fuel cells." <i>Solid State Ionics</i> , 148(3-4): 591-599.	
	79	HAUG ET AL. (2002) "Development of a Novel CO Tolerant Proton Exchange Membrane Fuel Cell Anode." <i>Journal of The Electrochemical Society</i> , 149 (7) A862-A867.	

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